

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-10. (cancelled)

11. (previously presented) A mobile station for operation within different mobile radio systems to which a different frequency range is in each case allocated, each frequency range in each case having a transmission frequency band and a reception frequency band, comprising:

a first transmission antenna for transmitting signals within the transmission frequency band of a first frequency range;

a second transmission antenna for transmitting signals within the transmission frequency band of a second frequency range;

a first reception antenna for receiving signals within the reception frequency band of the first frequency range; and

a second reception antenna for receiving signals within the reception frequency band of the second frequency range.

12. (previously presented) The mobile station as claimed in claim 11 in which the first transmission antenna is identical to the second transmission antenna.

13. (previously presented) The mobile station as claimed in claim 11 in which the first reception antenna is identical to the second reception antenna.

14. (previously presented) A mobile station for operation within different mobile radio systems to which a different frequency range is in each case allocated, each frequency range in each case having a transmission frequency band and a reception frequency band, comprising:

a first transmission antenna for transmitting signals within the transmission frequency band of a first frequency range;

a second transmission antenna for transmitting signals within the transmission frequency band of a second frequency range;

a first reception antenna for receiving signals within the reception frequency band of the first frequency range;

a second reception antenna for receiving signals within the reception frequency band of the second frequency range;

the first transmission antenna being substantially identical to the second transmission antenna; and
the first reception antenna being substantially identical to the second reception antenna.

15. (previously presented) A method for operating a mobile station within different mobile radio systems to which a different frequency range is in each case allocated, each frequency range in each case having a transmission frequency band and a reception frequency band, comprising the steps of:

transmitting signals within the transmission frequency band of a first frequency range with a first transmission antenna;

transmitting signals within the transmission frequency band of a second frequency range with a second transmission antenna;

receiving signals within the reception frequency band of the first frequency range with a first reception antenna; and

receiving signals within the reception frequency band of the second frequency range with a second reception antenna.

16. (previously presented) The method according to claim 15 including the step of providing the first transmission antenna substantially identical to the second transmission antenna.

17. (previously presented) The method according to claim 15 including the step of providing the first reception antenna substantially identical to the second reception antenna.

18. (currently amended) An antenna array for operating a mobile station within different mobile radio systems to which a different frequency range is in each case allocated, comprising:

~~at least one~~ a first transmission antenna and a second transmission antenna transmitting a plurality of frequency bands in said array;

~~at least one~~ a first reception antenna and a second reception antenna receiving said plurality of frequency bands in said array, wherein said array operates without the use of antenna switches.

19. (previously presented) The antenna array according to claim 18, wherein the plurality of frequency bands comprise either of a DCS frequency band, a GSM frequency band, a CDMA frequency band and a TD/CDMA frequency band.